Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/27/2018 09:01 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/31/2018 01:04 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124709	-1	2.50	124762	2.53
Blue	F	SSC	125000	122398	-3	4.38	123297	4.26
Blue	E	FITC	15492	14957	-4	4.11	349	21.63
Blue	D	PE	28736	27874	-3	3.50	615	16.63
Blue	B	PerCP-Cy5-5	41413	40730	-2	4.86	1113	22.98
Blue	A	PE-Cy7	31321	31044	-1	7.22	562	47.05
Red	C	APC	41673	40675	-3	3.00	1575	13.52
Red	A	APC-Cy7	29962	29197	-3	2.91	730	14.08
Violet	B	V450	8318	7810	-7	4.96	433	15.32
Violet	A	V500	34199	32810	-5	4.69	790	11.78

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20380	3.46	606	-7	N/A	N/A	Pass
Blue	F	SSC	55368	3.75	572	4	N/A	N/A	Pass
Blue	E	FITC	58	72.23	555	-6	0.0163	155	Pass
Blue	D	PE	123	57.86	554	-6	0.1275	285	Pass
Blue	B	PerCP-Cy5-5	207	55.87	660	-7	0.0074	58	Pass
Blue	A	PE-Cy7	111	116.20	715	-7	0.0093	24	Pass
Red	C	APC	360	28.55	599	-2	0.0185	94	Pass
Red	A	APC-Cy7	181	30.85	574	-2	0.0045	696	Pass
Violet	B	V450	63	72.83	473	-4	0.0374	2072	Pass
Violet	A	V500	112	40.03	491	-3	0.0180	976	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.93	-32.26	1.12
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.50
Red	18.43	13.60 - 20.40	N/A	N/A	29.23	29.92	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 12170

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments